

## ABSTRACT

An image processing method and image processing apparatus in which the densities around the object pixel are integrated and re-allocated.

- 5 Level division means divides an original image belonging to a scanning window into specific division levels or divides re-allocated image data and inputted image data into specific division levels. Means for calculation of allocation values by levels finds the sum of re-allocation values by division levels and adds a multi-leveling error in case of specific levels.
- 10 Furthermore, the means finds an allocation number and residual by dividing the sum thus obtained by the maximum value within the division level. Means for re-allocation by levels allocates, by division levels, the maximum values and residuals within the respective division levels in the allocation number according to the rank order obtained by ranking means
- 15 and stores the data in storage means for re-allocation by levels. Then, the values at the position of the object pixel in storage means for re-allocation by levels are multi-leveled.